

Explorer Program Assessment

- UNEX and Explorer technology initiatives are on hold
- Current cost cap guidelines for all active missions and future mission set for planning purposes
 - MDEX - \$180M, SMEX - \$85M (\$ FY02)
 - Will be revisited for each AO
- Mission milestones
 - CATSAT was cancelled in April 2001; Cost growth, mission risk
 - Astro-E2 was approved as Mission of Opportunity in July 2001
 - CINDI confirmed in November 2001
- MDEX proposals received on October 30 (chart later)
- SMEX Phase A reports due December 18 (chart later)
- Explorer Workshop planned for March 2002
- Next SMEX AO no earlier than October 2002

Explorer Launch Program

- 2001 Jun 30 MAP - launched and no problems
- 2002 Jan HESSI - Pegasus being requalified, boards and S/W reworked; launch NET mid-January
- 2002 May GALEX – completed environmental testing, transmitter problem identified; launch may slip
- 2002 Aug CHIPS – will launch with ICESAT; ICESAT may slip
- 2003/4Q,04/3Q TWINS-A,B – Phase C/D
- 2003 Oct CINDI – Phase C/D; CDR Nov 28
- 2003 Sep Swift – Phase C/D; developing additional reserves includes descoping mission from 3 to 2 years
- 2004 Oct FAME – Phase B; descoping to stay within cost cap; confirmation review in December
- 2005 Feb Astro-E2 – Phase B; confirmation review in January

Explorer Update

- SMEX 8&9
 - Phase A Studies for 6 SMEX & 1 MO
 - Concept Study reports due December 18
 - Evaluation Spring 2002 (schedule uncertain)
 - Downselection by July 2002
 - SMEX Missions
 - AIM (J. Russell/Hampton) – Noctilucent clouds
 - HNX (R. Binns/Washington U) – Cosmic rays
 - JMEX (N. Schneider/Colorado) – Jupiter magnetosphere
 - PRIME (W. Zheng/JHU) – IR survey
 - SPIDR (S. Chakrabarti/Boston) – IGM cooling
 - STEP (F. Everitt/Stanford) – Equivalence principal
 - MO: SPEAR (J. Edelstein/Berkeley) – ISM energy flow

Explorer Update

- MIDEX
 - 43 proposals received
 - 31 MIDEX (26 ELV, 3 Shuttle launch, 2 ISS attached)
 - 11 MO (3 Traditional, 4 LDB, 4 ISS attached)
 - 1 non-compliant
 - Selection approx May 2002
 - Downselection approx January 2003
- Next SMEX
 - No earlier than October 2002

Explorer Update

- Explorer Workshop
 - March 2002
 - 1 day workshop for Explorer community including academia, industry, NASA centers, NASA HQ
 - Washington DC area
 - Discussion of status and issues in Explorer Program
 - Plans for future AO's
 - Cost caps and other constraints
 - Mission of Opportunity and other science investigations within the Explorer program
 - Launch opportunities, technology development, etc.